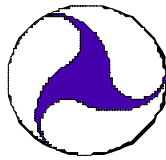


Module 0 -- Introduction and Overview → Instructors Guide

M0.1: Cover Slide

Module 0 **Introduction and Overview**





Introduction and Overview

- ◆ **Who are we?**
- ◆ **Who are you?**
- ◆ **Course expectations**
- ◆ **Course overview and objectives**
- ◆ **Administrative items**

Module 0

Deploying Integrated Intelligent Transportation Systems

2

Delivery:

- Welcome to the course
- Find out who we are and who you are
- List and review participant course objectives
- Review course overview and objectives
- Review administrative items

Output:

- N/A

Notes:

- Move quickly into instructor introductions

M0.3: Who Are We?

(3 min)



Who Are We?

- ◆ Names
- ◆ Where we're from
- ◆ What we do

Module 0

Deploying Integrated Intelligent Transportation Systems

3

Delivery:

- Two course instructors
- Introduce yourself and the other instructor
- Provide a brief review of your background --> current position, major area of responsibilities, and area(s) of expertise

Output:

- N/A

Notes:

-



Who Are You?

- ◆ **Name**
- ◆ **Job**
- ◆ **Responsibilities**

Module 0

Deploying Integrated Intelligent Transportation Systems

4

Delivery:

- Each participant will introduce him or herself to the group --> include name, current position, and responsibilities
- Limit response time to under a minute (if possible)
- Start with the first person and continue until all participants have spoken and have had an opportunity to introduce themselves

Output:

- N/A

Notes:

- Watch the time!!!
- Keep them moving along



Course Expectations

- ◆ What are you expecting this course to cover?
- ◆ How familiar are you with ITS?
- ◆ How many of you have attended the ITS Awareness Seminar?

Module 0

Deploying Integrated Intelligent Transportation Systems

5

Delivery:

- Determine the participants' course expectations --> what is covered vs. what is not covered
- ASK:
 - “What are you expecting this course to cover?”
- Extract/facilitate responses from participant “volunteers”
- Write each response on a flip chart (**FC-0-1**)

FC-0-1

Course Expectations
•
•
•
•
•
•

- Clarify and paraphrase responses as needed
- Post the chart on the wall for future reference
- Determine the participants' ITS awareness level
- ASK:
 - “How familiar are you with ITS? Rate yourself, using a scale of 1 - 10, where 1 is no familiarity and 10 is total familiarity.”

- Draw a scale on a flip chart and record where the participants place themselves **(FC-0-2)**
- Generally okay to use levels such as 2.5; 5.0; 7.5; and 10 to reduce time.

FC-0-2

ITS Level of Awareness										
1	2	3	4	5	6	7	8	9	10	
<div>Low</div> <div>High</div>										

- Comment on where the majority of the class falls on the scale (Ex. --> “60% of you have a fairly high ITS awareness level”)
- **ASK:**
 - “Who has attended the ITS Awareness Seminar?”
- Fill in flip chart with the number of participants that attended the ITS Awareness Seminar along with the number of class participants **(FC-0-3)**
- Determine the % of class participants that attended the ITS Awareness Seminar

FC-0-3

# of Course Participants	

# and % attended ITS Awareness Seminar	
# _____	% _____

Output:

- List of participant course expectations **(FC-0-1)**
- Estimate of where the participants rate themselves on ITS awareness **(FC-0-2)**
- Estimate of percent of participants that attended the ITS Awareness Seminar **(FC-0-3)**

Notes:

- Use the information from the three questions to help guide the course

M0.6: Course Overview and Objectives

(1 min)



Course Overview and Objectives

- ◆ Context
- ◆ Learning objectives
- ◆ Outline
- ◆ Schedule

Module 0

Deploying Integrated Intelligent Transportation Systems

6

Delivery:

- Explain briefly what will be covered in the next few slides

Output:

- N/A

Notes:

-



Context

Information Sharing & Technical Integration



Module 0

Deploying Integrated Intelligent Transportation Systems

7

Delivery:

- Explain the role of the “integration” course within the FHWA’s Professional Capacity Building (PCB) program
- The PCB program sponsored by the FHWA has been developed in order to provide federal, state, regional, and local transportation professionals with more information regarding ITS planning, design, development, and operations and management
- The PCB program consists of a series of seminars, training courses, and workshops that provide participants with basic knowledge of specific ITS program elements, and which prepare them to take more advanced, in-depth training in specific ITS areas
- Within this “integration” training course, emphasis will be placed on the regional context in which the public components of the ITS infrastructure are implemented and integrated
- The “integration” training course will focus on the institutional and technical components of an integrated ITS infrastructure so that a clear understanding of the importance of each is understood and placed in context with the regional decisions that must be made by state and local agencies
- Review the “mapping” diagram which depicts the “Integration” course as it relates to other PCB efforts

Output:

- N/A

M0.8:
min)

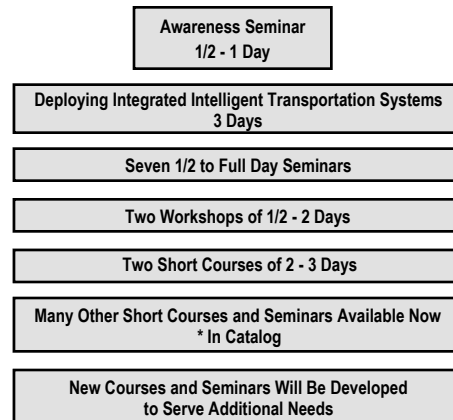
Professional Capacity Building Plan

(1



Professional Capacity Building Program

The Professional Capacity Building Delivery Plan



Module 0

Deploying Integrated Intelligent Transportation Systems

8

Delivery:

- Review the plan for the other courses in the PCB Delivery Plan

Output:

- N/A

Notes:

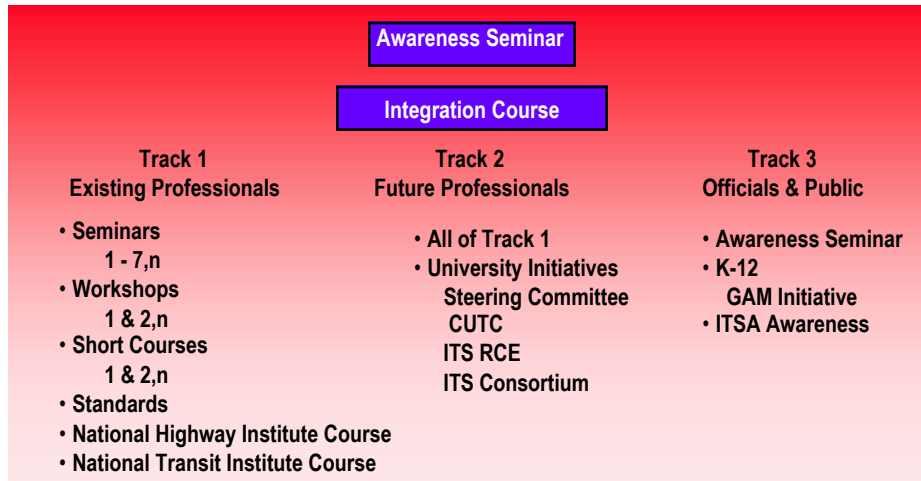
-

M0.9: Professional Capacity Building Umbrella

(1 min)



The Professional Capacity Building Umbrella



Module 0

Deploying Integrated Intelligent Transportation Systems

9

Delivery:

- Review how the 3 “tracks” fit under the overall PCB umbrella
- Explain who should attend which sessions
 - Track 1 - existing professionals
 - Track 2 - future professionals
 - Track 3 - officials and public

Output:

- N/A

Notes:

-



Learning Objectives

- ◆ **Identify at least five benefits provided by integrated, intermodal intelligent transportation systems (ITS)**
- ◆ **Identify the agencies with whom information should be shared in integrating ITS**

Module 0

Deploying Integrated Intelligent Transportation Systems

10

Delivery:

- Read each of the learning objectives
- Make sure that the participants understand what they mean

Output:

- N/A

Notes:

-



Learning Objectives (cont.)

- ◆ Identify the information flows that should be established by your agency and each “partner” agency to operate an integrated ITS
- ◆ Describe the various “types” of information sharing that exist in today’s transportation environment

Module 0

Deploying Integrated Intelligent Transportation Systems

11

Delivery:

- Read each of the learning objectives
- Make sure that the participants understand what they mean

Output:

- N/A

Notes:

-



Learning Objectives (cont.)

- ◆ Describe the National ITS Architecture and how it can be used as a time saving tool to implement integrated ITS
- ◆ Explain the institutional challenges that must be addressed to integrate ITS successfully

Module 0

Deploying Integrated Intelligent Transportation Systems

12

Delivery:

- Read each of the learning objectives
- Make sure that the participants understand what they mean

Output:

- N/A

Notes:

-



Learning Objectives (cont.)

- ◆ Explain the technical challenges that must be addressed to successfully deploy an integrated ITS
- ◆ Explain the importance of local issues and challenges within a regional context
- ◆ Understand procurement alternatives

Module 0

Deploying Integrated Intelligent Transportation Systems

13

Delivery:

- Read each of the learning objectives
- Make sure that the participants understand what they mean

Output:

- N/A

Notes:

-



Outline

- ◆ **Module 1 — Course Framework**
- ◆ **Module 2 — Stakeholders and Operational Objectives**
- ◆ **Module 3 — Information Needs and Sharing**
- ◆ **Module 4 — Operational Implications of Information Sharing**

Module 0

Deploying Integrated Intelligent Transportation Systems

14

Delivery:

- Briefly review the course outline
- Identify what subject material will be covered in each module
- The Course Application Exercise will be introduced in Module 1

Output:

- N/A

Notes:

-



Outline (cont.)

- ◆ **Module 5 — Design Considerations**
- ◆ **Module 6 — Procurement Strategies and Contracting Options**
- ◆ **Module 7 — Operations and Management**
- ◆ **Module 8 — Short- and Long-Term Planning Needs**
- ◆ **Module 9 — Course Wrap-Up**

Module 0

Deploying Integrated Intelligent Transportation Systems

15

Delivery:

- Briefly review the course outline
- Identify what subject material will be covered in each module

Output:

- N/A

Notes:

-



Schedule

◆ See fold out

Module 0

Deploying Integrated Intelligent Transportation Systems

16

Delivery:

- Review course schedule --> refer students to the schedule in the front of the manual.
 - Start and end times for each day
 - 50 min sessions and 10 min breaks
- **ASK:**
 - “Any questions on what the course will cover?”

Output:

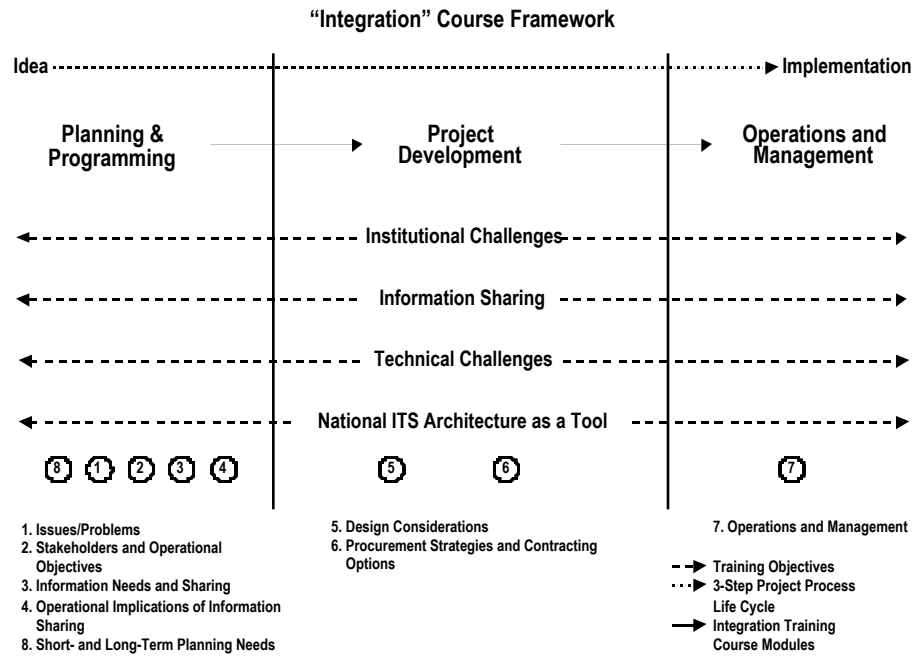
- N/A

Notes:

-

M0.17: Overall “Integration” Course Framework

(1 min)



Module 0

Deploying Integrated Intelligent Transportation Systems

17

Delivery:

- Briefly review the framework
- Explain that this graphic will be referred to throughout the course to indicate “where we are now”.

Output:

- N/A

Notes:

-



Administrative Items

- ◆ **Participant materials**
 - ◆ Participant's Guide
 - ◆ Reference Material
- ◆ **Breaks**
- ◆ **Lunch**
- ◆ **Restroom location(s)**
- ◆ **No evening plans**
- ◆ **Course evaluation forms**

Module 0

Deploying Integrated Intelligent Transportation Systems

18

Delivery:

- Review the set up of the participant materials
- Organized by module
- Reference section in separate packet
- Breaks - 10 minutes of each hour
- Lunch - one hour
- Restroom location(s)
- No evening plans
- Course evaluation forms. Complete form after each module (to be revised to end of course as number of workshops are completed). Discuss with local coordinator to see what forms have been provided for your course

Output:

- N/A

Notes:

- Move quickly and into a 10 minute break